

**NAME: 12-3-MSB-1-PNL-1**  
 LOCATION: ELEC. ROOM 2-121  
 MOUNTING: SURFACE  
 ENCLASURE: NEMA 1  
 MAINS RATING: 125 A  
 MAINS TYPE: MCB  
 PHASE: 3  
 WIRE: 4  
 VOLTAGE: 480/277 Vyp  
 AFC: 65 KA  
 SCOR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	LTG DH 12 MECH GALLERY					0.72	0.76		1	20 A			LTG CORRIDOR DH 12	2
3	115 ELEC ROOM 115					1.64	2.5		1	20 A			LTG DH 12 ZONE 4	4
5	LTG DH 12 ZONE 6							1.7	2.5	1	20 A		LTG DH 12 ZONE 6	6
7	LTG DH 12 ZONE a&f					3.05				1	20 A			8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
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35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 4.43 KVA, 4.04 KVA, 4.2 KVA  
 FEED THROUGH LUFS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 4.43 KVA, 4.04 KVA, 4.2 KVA  
 TOTAL LOAD (AMPS): 16.1 A, 15.6 A, 15.3 A  
 PHASE LOAD BALANCE: 80.78%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Lighting	11.92 KVA	14.93 KVA	TOTAL CONNECTED LOAD (AMPS): 19 A
Other	0.76 KVA	0.76 KVA	TOTAL CODE LOAD (AMPS): 19 A
			PERCENT LOADED: 15.02%

LOAD CLASSIFICATION (L,C) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: A-1-INV-3-PNL-12-1**  
 LOCATION: ELECTRICAL ROOM 2-119  
 MOUNTING: SURFACE  
 ENCLASURE: NEMA 1  
 MAINS RATING: 100 A  
 MAINS TYPE: MLO  
 PHASE: 3  
 WIRE: 4  
 VOLTAGE: 480/277 Vyp  
 AFC: 65 KA  
 SCOR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	EM LTG DH 12 ZONE e					0.45	0.56		1	20 A			EM LTG CORRIDOR DH 12	2
3	EM LTG DH 12 ZONE e					0.7	1.23		1	20 A			EM LTG ELEC ROOM DH 12	4
5	EM LTG DH 12 MECH GALLERY					1.1	1.1		1	20 A			EM LTG DH 12 ZONE 6	6
7	EM LTG DH 12 ZONE a&f					1.15				1	20 A			8
9														10
11														12
13														14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 2.09 KVA, 1.86 KVA, 2.2 KVA  
 FEED THROUGH LUFS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 2.09 KVA, 1.86 KVA, 2.2 KVA  
 TOTAL LOAD (AMPS): 7.7 A, 6.9 A, 8.1 A  
 PHASE LOAD BALANCE: 84.55%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Lighting	5.91 KVA	7.91 KVA	TOTAL CONNECTED LOAD (AMPS): 7 A
Other	0.56 KVA	0.56 KVA	TOTAL CODE LOAD (AMPS): 9 A
			PERCENT LOADED: 9.06%

LOAD CLASSIFICATION (L,C) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 12-2-MSB-1-PNL-1**  
 LOCATION: ELEC. ROOM 2-120  
 MOUNTING: SURFACE  
 ENCLASURE: NEMA 1  
 MAINS RATING: 100 A  
 MAINS TYPE: MCB  
 PHASE: 3  
 WIRE: 4  
 VOLTAGE: 120/208 Vyp  
 AFC: 22 KA  
 SCOR: 22 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1	RECPY. ELEC. ROOM 2-120					1.08	0.72		1	20 A			RECPY. MECHANICAL 2-175	2
3	RECPY. ELEC. ROOM 2-120					1.08	0.72		1	20 A			RECPY. MECHANICAL 2-174	4
5	RECPY. ELEC. ROOM 2-120					1.08	0.54		1	20 A			RECPY. STORAGE 2-174	6
7	RECPY. ELEC. ROOM 2-120					1.08	0.54		1	20 A			RECPY. STORAGE 2-174	8
9	RECPY. CORRIDOR 1-203					0.72	1.08		1	20 A			RECPY. DATA HALL 12-173	10
11	RECPY. CORRIDOR 1-203					0.9	1.08		1	20 A			RECPY. DATA HALL 12-173	12
13	RECPY. CORRIDOR 1-203					0.72	0.72		1	20 A			RECPY. EQUIP. PLATFORM	14
15	RECPY. EQUIP. PLATFORM					0.72	0.9		1	20 A			RECPY. EQUIP. PLATFORM	16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 4.86 KVA, 4.22 KVA, 3.6 KVA  
 FEED THROUGH LUFS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 4.86 KVA, 4.22 KVA, 3.6 KVA  
 TOTAL LOAD (AMPS): 42.1 A, 45.1 A, 30.2 A  
 PHASE LOAD BALANCE: 65.5%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
RECPY.	13.68 KVA	13.68 KVA	TOTAL CONNECTED LOAD (AMPS): 38 A
			TOTAL CODE LOAD (AMPS): 38 A
			PERCENT LOADED: 37.97%

LOAD CLASSIFICATION (L,C) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 12-1-UPS-1-UDP-1**  
 LOCATION: ELEC. ROOM 2-123  
 MOUNTING: SURFACE  
 ENCLASURE: NEMA 1  
 MAINS RATING: 100 A  
 MAINS TYPE: MCB  
 PHASE: 3  
 WIRE: 3  
 VOLTAGE: 480V  
 AFC: 65 KA  
 SCOR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74	16.74		3	70 A			FWU-13-10	2
3	FWU-12-1					16.74	16.74		3	70 A			FWU-13-4	4
5						16.74	16.74		3	70 A				6
7						16.74	16.74		3	70 A				8
9	CDU-12-1					10.95	10.95		3	60 A			CDU-13-10	10
11						10.95	10.95		3	60 A				12
13						10.95	10.95		3	60 A				14
15														16
17														18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 55.37 KVA, 55.37 KVA, 55.37 KVA  
 FEED THROUGH LUFS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 55.37 KVA, 55.37 KVA, 55.37 KVA  
 TOTAL LOAD (AMPS): 199.8 A, 199.8 A, 199.8 A  
 PHASE LOAD BALANCE: 100%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Power	166.1 KVA	166.1 KVA	TOTAL CONNECTED LOAD (AMPS): 200 A
			TOTAL CODE LOAD (AMPS): 200 A
			PERCENT LOADED: 49.95%

LOAD CLASSIFICATION (L,C) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 12-1-MSB-1-MDP-1**  
 LOCATION: ELEC. ROOM 2-123  
 MOUNTING: SURFACE  
 ENCLASURE: NEMA 1  
 MAINS RATING: 100 A  
 MAINS TYPE: MLO  
 PHASE: 3  
 WIRE: 3  
 VOLTAGE: 480V  
 AFC: 65 KA  
 SCOR: 65 KA

#	CIRCUIT DESCRIPTION	CONDUIT & WIRE	LC	T	P	A	B	C	P	T	LC	CONDUIT & WIRE	CIRCUIT DESCRIPTION	#
1						16.74	16.74		3	70 A			FWU-13-4	2
3	FWU-12-3					16.74	16.74		3	70 A			FWU-13-4	4
5						16.74	16.74		3	70 A				6
7						16.74	16.74		3	70 A				8
9	FWU-12-14					16.74	3.41		3	15 A			CHW-13-14	10
11						16.74	3.41		3	15 A				12
13						16.74	3.41		3	15 A				14
15	CHW-12-4B					3.41	3.41		3	15 A			CHW-13-14	16
17						3.41	3.41		3	15 A				18
19														20
21														22
23														24
25														26
27														28
29														30
31														32
33														34
35														36
37														38
39														40
41														42

BRANCH CIRCUIT LOAD (KVA): 57.02 KVA, 57.02 KVA, 57.02 KVA  
 FEED THROUGH LUFS LOAD: 0 KVA, 0 KVA, 0 KVA  
 TOTAL PANEL LOAD (KVA): 57.02 KVA, 57.02 KVA, 57.02 KVA  
 TOTAL LOAD (AMPS): 205.8 A, 205.8 A, 205.8 A  
 PHASE LOAD BALANCE: 100%

LOAD CLASSIFICATION	CONNECTED LOAD	ESTIMATED DEMAND	PANEL TOTALS
Power	171.07 KVA	171.07 KVA	TOTAL CONNECTED LOAD (AMPS): 206 A
			TOTAL CODE LOAD (AMPS): 206 A
			PERCENT LOADED: 34.29%

LOAD CLASSIFICATION (L,C) LEGEND  
 R- RECEPTACLE, L- LIGHTING, K- KITCHEN, M- MOTORSHVAC, H- HEATERS, O- OTHER, E- EXISTING, C- CSNRM/R LOADS

**NAME: 12-2-UPS-1-UDP-1**  
 LOCATION: ELEC. ROOM 2-124  
 MOUNTING: SURFACE  
 ENCLASURE: NEMA 1  
 MAINS RATING: 100 A  
 MAINS TYPE: MCB  
 PHASE: 3  
 WIRE: 3  
 VOLTAGE